

# The Tech

OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

OL. LXXVII NO. 35

CAMBRIDGE, MASSACHUSETTS, FRIDAY, OCTOBER 25, 1957

5 CENTS

## Chairmen Hope Compromise Possible On Open House, Services

In light of the recent actions taken by the Administration in regard to Open House Hours and Dormitory Services, student leaders in the dormitories have made known the opinions that residents have expressed to them. Lew Cohen '58, House President of Burton, and Howard P. Zeiger '58, House President of Baker, expressed the popular reaction to the Administration's action, as well as their own opinions concerning the prospects facing dormitory residents.

The background of the issue is now well known on the MIT Campus. First, a cutback in desk services was announced for economy purposes. Second, the Corporation Committee on Student Activity recommended a re-examination and eventual revision of the open house hours. Both of these moves have met with protest on the part of dormitory residents.

### Chairmen Agree On Facts

Both Baker and Burton House Chairmen agreed that, at the present time, there is a great deal more rumor than fact extant. They said that, under present circumstances, it would be impossible to curtail

house desk services any further, as some reports had stated. There was little question, however, that Open House would have to face a downward revision of some extent. As Cohen put it, "What the Corporation Committee decides is the controlling factor in our actions. Our best hope is for student government to arrive at a compromise that will be acceptable to both sides." Both Chairmen stressed the fact that the only way through which students will be able to obtain a satisfactory solution to these problems is orderly student government. Regarding the Open House situation, the only group that can effectively decide on it is the Corporation Committee itself. Dormcom has been conferring with the Committee and the Deans in an attempt to specify the objections and the recommendations. At the present time, it seems that the main problem is a public relations one which might be resolved, according to Zeiger, by some mutual understanding.

Both chairmen advised interested students to make their ideas known to their House and DormCom Rep-

(Continued on page 5)

## Asian Flu Shots Available To All While Limited Supply Holds Out

Monday marked the first day Asiatic Flu shots have been given to the general student body. The response was such that by Wednesday 800 shots had been administered, nearly exhausting the present supply, leaving not more than 200 to 300 inoculations remaining.

These inoculations are given to anyone who comes to the Medical Department requesting the shots as long as the supply lasts. The inference may be forced to turn students away without a shot while they still have vaccine. Since inoculations of one-half c.c. of vaccine are given in two doses one week apart, the Medical Department is retaining enough of the vaccine to insure everyone receiving their second dose to complete the series.

### Inadequate Supplies

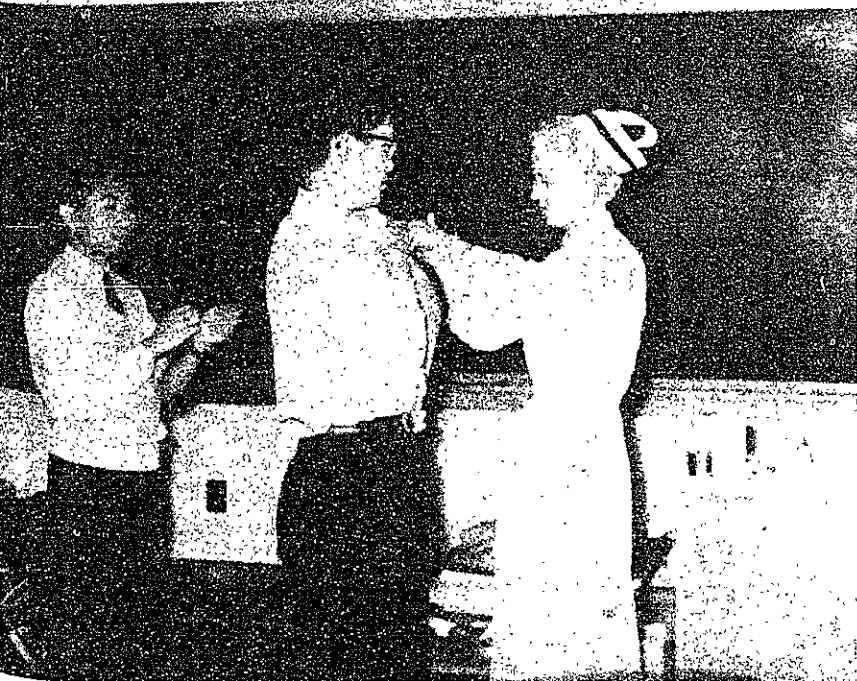
After placing an order for 1500 shots in August, very little, but some, has come in from the supplier. Since the vaccine "comes in in little lots", the people who are the most vital to the running of MIT are the first given doses—the medi-

cal personnel, police, and the dining room staffs being selected. The limited supply now being given out, came in last week-end, and when this is exhausted, shots won't be available until the next shipment arrives (no one has the slightest idea when it will come in).

Doctors aren't thoroughly enthusiastic about the vaccine. It is not, by any means, 100 per cent effective, and by the end of the two-week period needed for immunity to develop most people will have been exposed.

### No Epidemic

For about the last fifteen days the Asiatic Flu has been preying in our midst, but there never has been an epidemic, as such, here as the flu seems to move from person to person, the first recovering by the time the next victim begins to feel sick. Anywhere from twenty to forty students at a time have been bed-ridden in the infirmary forcing more beds to be set up. To provide for the overflow, room 7-202, ordinarily used for physical examinations, has been filled with cots.



Student, seemingly without pain, takes his protection against Asian Flu in the infirmary. He was one of 800 who submitted to the needle in the first three days MIT had the vaccine.

## Field Day Planned By East Campus To Include Croquet, Purple Shaft

MIT may have its traditional Field Day after all this year as the East Campus House Committee at its meeting tonight in Crafts Library approved a plan to sponsor its own "East Campus Field Day."

Marvin Manheim '59, was appointed chairman of a committee to plan a complete program for Nov. 2 to include a glove fight, a tug of war, chess, croquet, "and other organized sports". Supposedly, the program will be held entirely on East Campus territory. The first event will be a tug of war after this Saturday morning classes between freshman and sophomore teams.

The Executive Committee of the Undergraduate Association reviewed the proposal at a meeting held previous to the East Campus House Committee meeting. Arnie Amstutz stated afterwards that ExecComm completely authorized the plan but noted that there is always a possibility that such an affair can get out of hand if not properly policed. Apparently the whole House Committee plans to act as marshals at the affair.

## Hungarian Revolt Commemorated MIT's Refugee Students Take Part

Wednesday, October 23rd, marked the first anniversary of the Hungarian Revolution. To commemorate the patriots who fell in the fighting, the Association of Hungarian Students in the U. S. held a remembrance meeting on the evening of the 23rd. The meeting, held in Harvard Lecture Hall at 8 p.m., featured a speech by ex-congresswoman Helen Gahagan Douglas, and a news film, "Hungary Aflame".

Ferencz Cardonyi, Secretary-General of the Hungarian Students' Association, gave some information about the students now in this area. Out of the 35,000 Hungarian Refugees now in America, 1,726 are college students. Most of them are here on scholarships offered by private groups, individual sponsors, or colleges.

## Dr. Bush Chosen To Discuss Science On NBC-TV's "Wisdom"

Dr. Vannevar Bush '16, Chairman of the MIT Corporation, will be featured in an NBC television documentary next January. The program is now being photographed at MIT, and the Shell Room of the Sloan Building is serving as a temporary studio for the film.

The film is a part of the NBC series entitled "Wisdom". The series was begun early this fall, and presents the great men of the world talking on the topic which is their specialty.

### Kelso Will Appear

James Kelso, Executive Assistant to President Killian, will also appear on the program talking with Dr. Bush. The format of the show is that a "friend" talks with the principal figure, and provides his leads for the discussion.

### Nineteen Man Staff

The NBC film crews started work on the program Wednesday, and hope to finish by today. They brought in tons of equipment, and a nineteen-man staff to do the filming.

Dr. Bush will discuss such topics as the nature of science in a general way. Other "Wisdom" programs have such men as Nehru of India.

### Appointed Last Week

Dr. Bush was appointed as Chairman of the Corporation last March, succeeding the late Dr. Karl T. Compton. He has since 1939 been a life member of the Corporation.

A graduate of Tufts, Harvard, and MIT, Dr. Bush joined the MIT faculty in 1919 as an Assistant Professor in the Electrical Engineering Department. He later became Dean of the School of Engineering, and moved from that to president of Carnegie Tech.

Dr. Bush is a native of Massachusetts, and now lives in Belmont.

Bruce Larkin, of the National Student Association, Ferencz Cardonyi, and Mrs. Douglas spoke at the meeting. Mrs. Douglas chose to speak on guided missiles, national security, and world public relations. Following the talks, the film was shown. Although technically poor, it was a very effective presentation of the atmosphere and events of the Revolution.

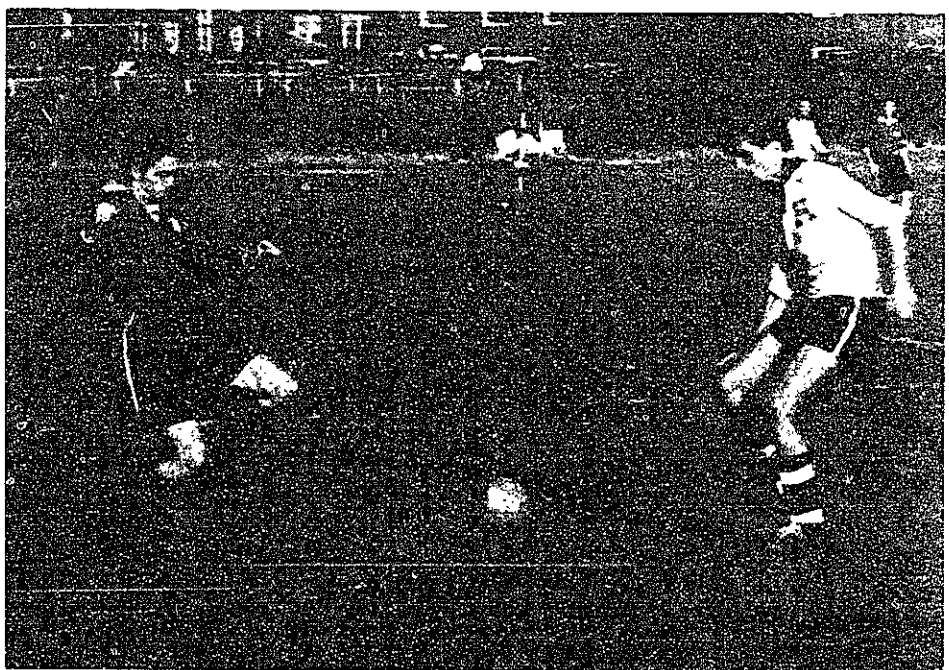
The meeting was well attended, not only by Hungarian students, but by staff and undergraduates of Harvard and MIT, as well as local Cambridge residents. The audience was very responsive to the events in the film, applauding when the Freedom Fighters were shown ripping the Communist emblem from the Hungarian flag.

### Hungarian Students at MIT

Among students in the audience were those who came to MIT after fleeing Hungary. Such a student is Sandor Holly, a senior in course VI. He is taking a special course here, as he already has a B.S. in mathematics and physics from the University of Science in Budapest. Sandor will receive a masters from MIT, to which he came because he felt it offered the best instruction in his specialty, microwaves.

Another of the Hungarian students at the Institute is Thomas Simon, also in Course VI. He described what it was like to live under the old Hungarian government, and how the people felt during the revolution. Still another of MIT's fourteen Hungarian Students, Tibor Foldvari, voiced the hope common to most that "Hungary would soon get its freedom and be a free nation like the United States." Tibor, like the majority of the Hungarian students, came to the U. S. in January, 1957.

## Tech Booters Cop Fourth In Row



MIT's right wing, Ernesto Macaya, kicks the ball in second period action of the Harvard game, won by Tech, 2-0.

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The Board of Directors, The Tech, regretfully announces the resignation of Ralph E. Manchester, Jr., Chairman. F. Helmut Weymar, former News Editor, will preside as Chairman.

## More Open House

The MIT Corporation has indicated that the present open house hours are unsatisfactory and that student government should re-evaluate them. The Corporation gave no inferences as to the expected results of the re-evaluation or to the consequences if the re-evaluation should find the present system satisfactory in the eyes of the students. This lack of information is not too bad in itself, however, a serious difficulty arises when no reasons are given for the Corporation's dissatisfaction.

Certainly the Corporation has its reasons for wanting this study and these very reasons would be helpful in the re-evaluation by indicating the areas needed to be studied more closely. The reasons are also needed if the dormitory residents are to keep their present open house situation; one cannot argue intelligently for any cause if he does not know his adversaries reasons and arguments. A statement by the Corporation Committee as to the reasons for dissatisfaction would not only help student government to make a responsible decision but would clear the way for better relations between student and Administration.

The open house situation deserves careful consideration by the students. They should certainly give it their utmost attention for they stand to lose not one but two of their privileges; open house and self-government.

The Institute has prided itself many times on the autonomy of its student body and student government. This extends to the dormitories, as is exemplified by the statement in the MIT Catalogue which says, "The undergraduate Houses are administered as a part of the general plan of student self-government."

The situation calls for not only a responsible decision by a responsible student government but also the Institute's faith in that decision.

## around mit

### MIT Computation Center

The MIT Computation Center was established in July 1956 to further research activities by educating scientists and students in the use of modern computing machines. It is a cooperative effort by MIT, IBM, and twenty-five New England colleges and universities which features the only IBM 704 digital computer available for unrestricted educational research.

Director of the Center is Doctor Philip Morse, a brilliant theoretical physicist and able administrator, whose task has

been to set up the educational machinery which is the principle objective of the Center. In charge of the actual operations is Doctor Frank M. Verzuh, Assistant Director, who supervises in expanding the applications of the Center to all departments.

The nucleus of the Computation Center is an IBM Type 704 Electronic Data Processing Machine which is currently being used in two seven hour shifts a day on 130 different problems. As the Center expands, it is expected that three shifts a day will be necessary.

Programming of the 704 is currently being done in its new physical plant, the Karl Taylor Compton Laboratories, but remote programming is also possible through transceiver equipment which carries information over telephone lines. One such transceiver circuit has already been set up.

To further insure a widespread and dynamic program, research associates and assistants have been appointed to serve as active liaison officers between the Center and the participating colleges and universities.

Moreover, as computer time is valuable and in great demand, applications for 704 use must be submitted to Doctor Verzuh who, in addition to his other duties, is in charge of a supervisory screening board. One problem the board is now considering is trying to teach the 704 to read printed material.

The most publicized use of the Center to date has been tracking the Russian satellite Sputnik. As a revision of a program previously set up for tracking our satellite in accordance with the program of the International Geophysical Year, the Smithsonian Institute provided the mathematical formulation, IBM provided programming assistance, and MIT furnished the computer time.

This is only a sample of the capabilities of the Computation Center. By promoting education in the field of modern computation methods it will prove an invaluable aid to education and scientific research.

—Mark Weissman '60

## kibitzer

### NORTH

S—A K J 3  
H—9 8 7 6  
D—6 5 4 2  
C—7

### WEST

S—10 9 8  
H—A Q J 3 2  
D—K J 7  
C—J 2

### SOUTH

S—Q 2  
H—K 4  
D—A Q 3  
C—A K Q 10 9 8

The bidding:

W	N	E	S
1H	P	P	DbL
P	2S	P	4NT
P	5D	P	6NT
P	P	P	

Opening lead: Ten of Spades

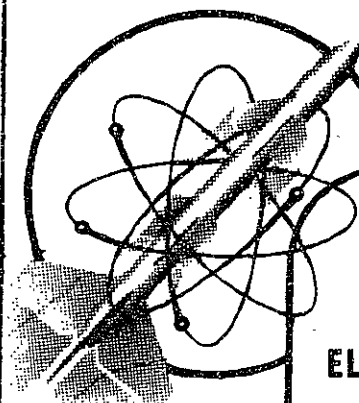
There's usually more than one way to skin a cat, and although cats generally appreciate this bit of philosophy, it is gospel to the sharp bridge player. A good case in point is found in this week's hand in which declarer's lack of technical ability rather than outright misplay led to a plus score for the defenders.

The opening lead of the ten of spades was smothered by the queen and South surveyed the situation. The handwriting was clearly on the wall. West had opened the bidding and consequently, was marked with the ace and queen of hearts and the king of diamonds. "Too bad," thought declarer, "the diamond king is obviously offside, but there seems to be no other way, so I'll finesse and hope for a miracle." Unfortunately, South's guardian angel must have been off playing poker or something, for the finesse lost, as expected.

The miracle, as I'm sure you members of Fishcomm suspect by now, is not necessary. The positions of the key cards combine to place West in a deadly variation of the squeeze play. The correct line of play proceeds as follows. Four spades are run off, while a diamond and a heart are discarded from the South hand. Now six clubs are played, reducing all hands to three cards. South keeps the heart king and the ace, queen of diamonds. Note that West must keep the ace of hearts and the king, jack of diamonds, lest he give declarer a twelfth trick via an established high card. At this point, South throws the opposition in with the heart, forcing a lead away from the king, jack of diamonds into his ten ace for the fulfillment of the contract.

Knowledge of this endplay is a valuable asset to the bridge player's repertoire. It occurs quite frequently and, as is generally true of good technique, is far more reliable than any guardian angel I know of.

—Fred Golenzer '58



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SMTWTFS  
1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30

NOVEMBER  
1st

NOVEMBER  
SMTWTFS  
1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16  
17 18 19 20 21 22 23  
24 25 26 27 28 29 30

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## Religious Activities To Be Centered Soon Near Chapel

Localized facilities for the MIT chaplains and their staffs have finally been provided by the Institute with the acquisition of the building at 317 Memorial Drive. Purchased in September for this purpose, it will be occupied as soon as agreement can be reached among the groups for the disposition of space.

### Close to Chapel

The location is ideal since it is in close proximity to the chapel, and because it is in West Campus, the residential part of the school. When a new chapel was built several years ago, a suggestion was made to provide such facilities nearby, but, due to lack of the necessary funds, it was never carried through. The building will serve as a new religious center for the campus.

## Conference To Mark Atomic Energy Day

Prominent scientists, industrialists, and educators, will lead panel discussions of the peacetime uses of nuclear energy at a conference to be held November 9 at MIT. The conference will be held in conjunction with Atomic Energy Day, part of the Citizen's Participation Program inaugurated by Governor Furcolo.

The panels will bring information layman's terms about the development of nuclear power and how it will alter some of the fields with which the man-in-the-street is familiar in his daily life. Its relation to industry, law, public health, insurance, and the fields of instrumentation and radioisotopes, will be the subject of the discussions.

# Niels Bohr, Eminent Danish Physicist, Gains First Coveted "Atoms For Peace" Award

## Bohr At Technology Two Days This Week

Niels Bohr, Compton lecturer for this year, visited MIT early in the week before leaving for Washington to receive the \$75,000 Atoms for Peace Award.

Prof. Bohr spent Monday and Tuesday at Tech. He talked informally with President Killian several times and made one trip to Kresge Auditorium to try out the loudspeaker system there.

Prof. Bohr left MIT for Washington at 12:30 p.m. Wednesday. Yesterday he was given the award,

which is the first ever awarded and is the world's largest single grant for individual achievement.

### Killian Presides

The presentation was made at the National Academy of Sciences Great Hall at 3 p.m. Presiding was MIT President Killian, who is also the Chairman of the Board for the Atoms for Peace Awards.

Dr. Bohr will return to MIT either today or tomorrow, to prepare for his first lecture to be given Tuesday night, November 5th.

On his Cambridge visit Dr. Bohr is accompanied by his wife and his son, who is head of the Physics Department at the University of Copenhagen.

## Killian Presents \$75,000 Grant

Niels Bohr, world-famous Danish dean of nuclear physics, became the first recipient of the \$75,000 Atoms for Peace Award yesterday at the National Academy of Sciences in Washington, D. C.

### Presentation

Presiding, and making the actual presentation, was Dr. James R. Killian, Chairman of the Board, Atoms for Peace Award, and President of MIT. The distinguished group of ambassadors, UN Officials, outstanding nuclear scientists and industrial leaders was addressed by President Eisenhower. Speeches were also given by Dr. Arthur H. Compton, Professor J. A. Wheeler, and Henry Ford II.

### The Award

The initial inspiration for the Atoms for Peace Award was provided by President Eisenhower at the Geneva Convention on July 20, 1955. During an address in which he called for renewed international effort in the application of nuclear energy to peaceful uses, the President concluded with the hope "that private business and professional men throughout the world will take an interest and provide an incentive in finding new ways that this new science can be used . . . for the benefit of mankind and not destruction." Responding to this, the Ford

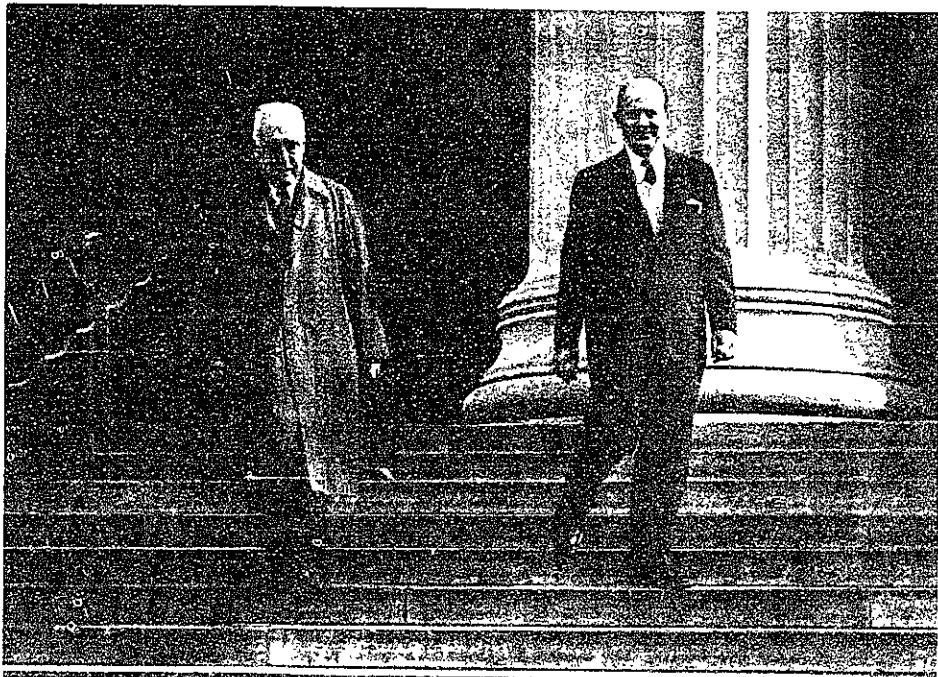
Motor Company created the Atoms for Peace Award, as a memorial to Henry Ford and Edsel Ford.

The award itself consists of one million dollars, to be distributed in grants of \$100,000 per year for ten years. The 1957 award to Professor Bohr is the first award, and consists of a gold medallion and \$75,000. This is the world's largest single grant for individual achievement.

### Selections of Recipients

The recipient of each year's award is determined by the Board of Trustees of an independent non-profit scientific and educational corporation established for that purpose in November 1955. The board's chairman is Dr. Killian—other board members are persons of equal prominence from the fields of science and humanities. The recipient is defined as "the individual, group of individuals, or organization, which has made the greatest contribution to the peaceful uses of atomic energy, in the board's judgment." Anyone in the world is entitled to nominate a person he believes to have made a significant advance in the field. The award is made without regard for nationality, politics, or any other consideration except the merit of the contribution.

Professor Bohr's name was unanimously selected out of a field of 75 nominees.



Niels Bohr (left) traverses a familiar set of steps during his two day stay at the Institute. He will become quite familiar with these steps next month, when he will give the first Compton Lectures.



Bohr (right) stops at Kresge Auditorium during his tour. Here he stayed long enough to try out the new-type loudspeaker system.

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Pauk Quartet of Budapest, Sunday, Dec. 15, 3 p.m.

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Group I Faculty—Grads—Alumni

Group II Seniors

Group III Juniors

Group IV Sophomores

Group V Freshmen

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Medals awarded first SIX in each event, trophy presented to winning class.

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## JP Queen Elections In Progress With Five Finalists To Be Chosen

Elections for the selection of five Junior Prom queen finalists are now being held in the lobby of Building 10. The voting will continue until Thursday of next week.

All Juniors are requested to give their preference for J. P. queen in these semi-formal elections. However, any student may vote in this election if he so desires, according to Jon Wisebuck '58, co-chairman of the J.P. Queen Committee.

During the intermission of the Junior Prom the five finalists picked by the school wide election will be presented. From these girls the Junior Prom Committee will pick the queen and announce their decision at the Prom.

The decision which will also be made during the Prom intermission will be presented after the J.P. Committee has seen and talked to the girls in person.

The candidates for queen have been submitted by Juniors during the last week. Along with the application for candidacy, the Juniors also presented a picture of their dates. These pictures are currently posted beside the election booth in Building 10.

The school wide elections sponsored by the Public Relations Committee of Incomm are being run by the preferential system. The voter is requested to give his vote by marking a 1, 2, or 3 by each candidate in the order of his preference.

### JP Seats Available Will Be Sold Today

Students other than Juniors have their best chance in several years to be a part of the Junior Prom Week-end. The Junior Prom Committee reported that after option sales last Saturday many good seats are still available to both nights.

#### Open Sales Today and Monday

Open sales to both nights of the week-end are being held today and Monday in building 10. The committee reported that so far about 500 tickets have been sold to the Friday night formal, and that about 300 tickets have been sold to the Saturday night informal.

The prom features Lester Lanin and his Orchestra as entertainment for Friday night. Lanin played in Boston last week-end at the Totem Pole, and received an excellent crowd.

On Saturday night, Kai Winding and his trombone septet will provide both dance music and entertainment.

#### AA Lunch

The Athletic Association is also sponsoring a luncheon in the cage Saturday noon. Tickets are \$.99 per person. The AA reports a good response to the event, as many fraternities are cancelling lunch at their houses, and moving to the cage.

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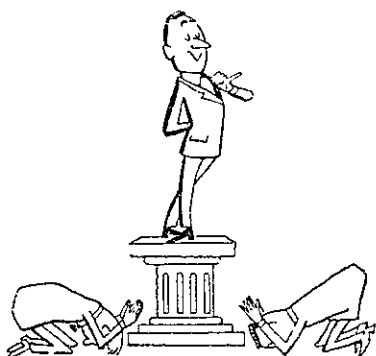
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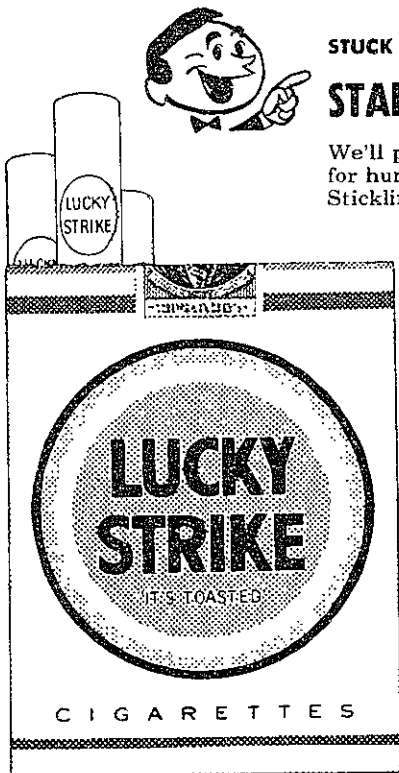
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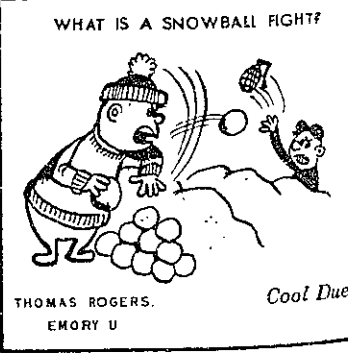
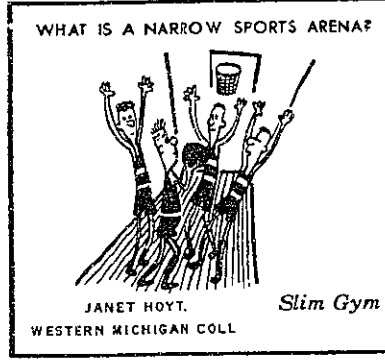
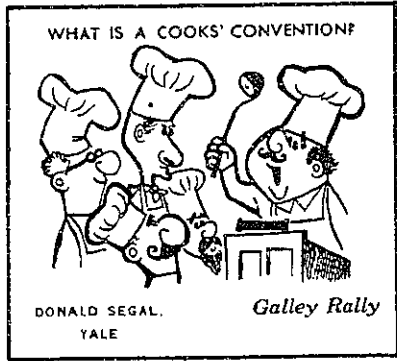
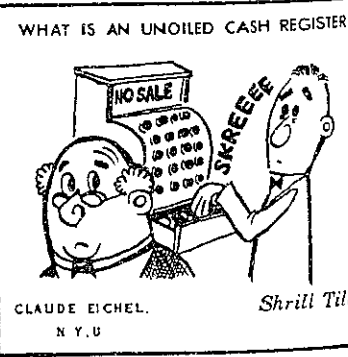
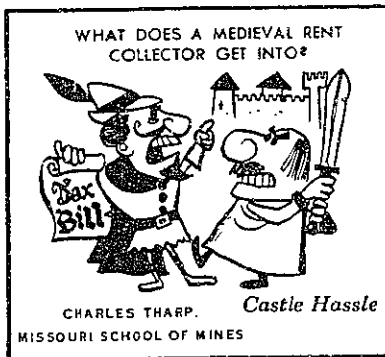
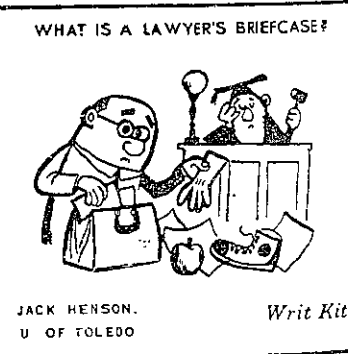
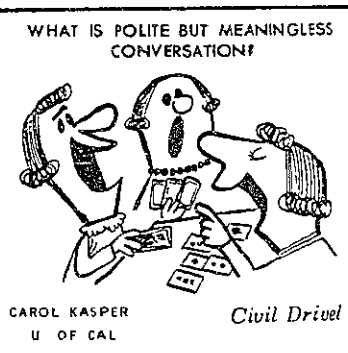
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# DC-4 To Be Hired For Europe Trip; Excursion Planned By MIT Group

Members of the MIT community planning to tour Europe next summer can now solve their transportation problem for only \$325, round trip. A non-profit cooperative organization called MIT Charter Flight To Europe plans to hire at least one 68-passenger DC-4 and fly early in June to Paris, returning sometime in the beginning of September.

Membership in the organization is based on assuming responsibility for one seat on the charter flight and by paying a pro rata share of the rental of the airplane. Only members of the MIT community and their immediate families are eligible for membership. Current plans call for departure

from New York on June 16 for Paris and return on September 9. However, dates of departure and destination will be finally set by the majority feeling of the group making the trip.

Stewart R. Mott '59, general manager of the flight, outlined a tentative program for the 1958 trip at a meeting of interested persons last Wednesday in Litchfield Lounge. About sixty attended the meeting and nearly 150 have expressed enough interest in the flight to place their names on bulletin board sign-up lists. Mott has reserved a National Overseas Airlines plane, anticipating that 68 people will be found to fill it, and can obtain another should the size of the group warrant it. The aircraft will be non-pressurized, will have two stewardesses serving hot meals, and under CAB regulations will allow a forty-pound baggage limit for each person.

Registration for the flight is contingent upon payment of \$100 deposit. Such payment will reserve one seat for the member. The balance shall become due eight weeks prior to departure from New York. Should a member find he cannot make the trip after payment of deposit, it will be refunded provided the plane is filled and he can find another member willing to take his seat. If a member's pro rata share of the expenses of the charter exceed \$325 by more than ten dollars, it is his right to discontinue his membership without becoming subject to the conditions stated above, and to receive full refund.

## Sloan Plans Gift; Faculty Pay Raises Are Fund Object

To raise faculty salaries and thus improve the quality of teaching at MIT, Alfred P. Sloan '95 has offered up to \$1,250,000 through the Sloan Foundation. The Foundation will contribute one dollar for every three the Institute raises for this purpose until the total fund reaches \$5 million.

Walter J. Beadle '17, a director of the DuPont Corporation and a life member of the Corporation, heads the alumni group which is attempting to raise \$3,750,000. Thus far, the group has collected almost \$2.2 million.

Solicitation for the fund is being done by alumni groups in various parts of the country. Each region either has had or will have a "kick off" dinner with Dr. James R. Killian, Jr. '26 as guest speaker. Alumni of substantial means who have previously exhibited interest in helping the Institute are being asked for contributions of \$1,000 or more. To date the results have been most gratifying. In addition, in the regular annual alumni fund drive, the grads are being given the opportunity to specify that their gift be used either for scholarships or for faculty salary increases.

The fund will be distributed over a five year period. The Beadle Committee is hopeful that other bequests will be made in the next few years in order that this improvement in teaching staff will continue.

## Electrical Engineering Dept. Sponsors Russian Scientists' Visit

Although few Tech undergraduates realized the fact, three Russian scientists visited MIT last Monday, under the sponsorship of the Electrical Engineering Department.

Russians Express Interest in MIT Guided by Professor George C. Newton, Jr., Professors Latov, Naumov, and Mukhin toured the Institute in general and the following places in particular: the Servomechanisms Laboratory, the Computation Center (IBM 704), the Dynamic Analysis and Control Laboratory (of the Mechanical Engineering Department), the MIT Nuclear Reactor, Kresge Auditorium, and the Chapel. Members of the Electrical Engineering Department met the three at a convention held last week in Atlantic City, New Jersey, on "Computers in Control Systems". The Russians were attending the convention as representatives of the National Academy of Sciences in Moscow. While in Atlantic City, the Russians expressed an interest in visiting MIT. The Electrical Engineering Department quickly made arrangements for a visit to the Institute on October 21.

National Academy of Sciences In Moscow

Perhaps a word on the function of the National Academy of Sciences in Moscow is in order. Primarily a research institute, the Academy does no teaching as such, although it does grant advanced degrees. It is largely geared to theoretical, rather than applied, research. The Academy is separated into Divisions, which are in turn broken down into Institutes. Professors Latov and Naumov are

connected with the Institute of Automatics and Telemechanics—an institution several times the size of MIT's Servomechanisms Laboratory, and entirely theoretical in outlook. It is well-known for its publication in the field of non-linear mechanics, "Automatics and Telemechanics", which may be obtained, incidentally, in the MIT libraries.

Russians "On the Ball"—Newton Professor Newton said that, even though he had to work through an interpreter, he found the Russians "very polite, and very much on the ball."

## Frosh Elect Officers To Run Class Of '61

The Freshman Council Monday night elected the Officers of the Class of '61. Frosh Council also adopted a temporary Class Constitution and discussed selling '61 Beaver Keys.

Most of the meeting was devoted to electing '61 officers. Dennis Lytle, Vice-president of the Class of '59, acted as temporary chairman during this time. After the speech making and balloting were over, the following emerged victorious: Ken Singer, President; Paul Cox, Vice-President; Bob Rein, Secretary-Treasurer; and Dorsey Dunn, Frosh Incomm Representative.

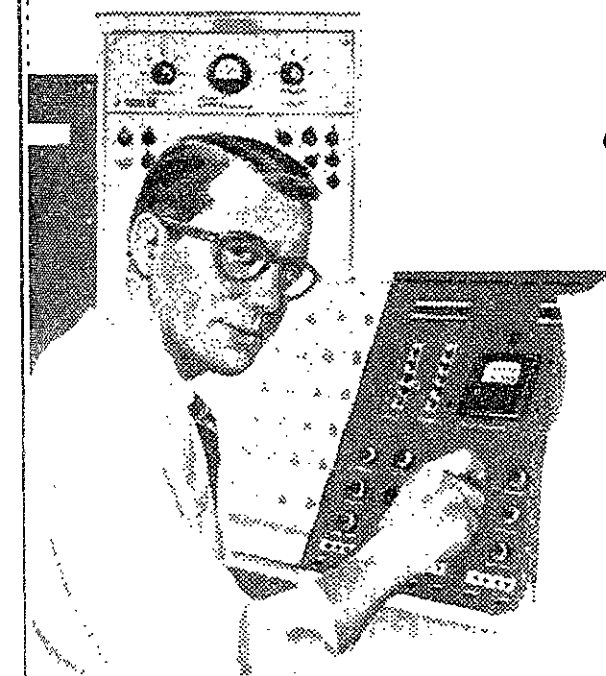
After the new officers had taken charge, a temporary constitution proposed by Lytle was adopted. The final constitution will be decided at the next meeting of the council.

### DORMITORIES

(Continued from page 1)

representatives. Petitions, such as the one posted in Baker House recently, might have some effect. This petition, anonymously signed by "Con Elrad", maintained that, since the catalogue states that rules and regulations of student conduct are made by the students, such a case should be kept up.

Present Status of Dormitories Zeiger elaborated on the general situation prevailing in the dormitories. He said, "MIT is gradually losing its characteristic spirit, which had made MIT and its students outstanding in the past." He cited Dean Rule's statement in the October 14th THE TECH, to the effect that discipline would be held to an absolute minimum suitable to an academic community. Zeiger commented that this minimum seems to rise every year.



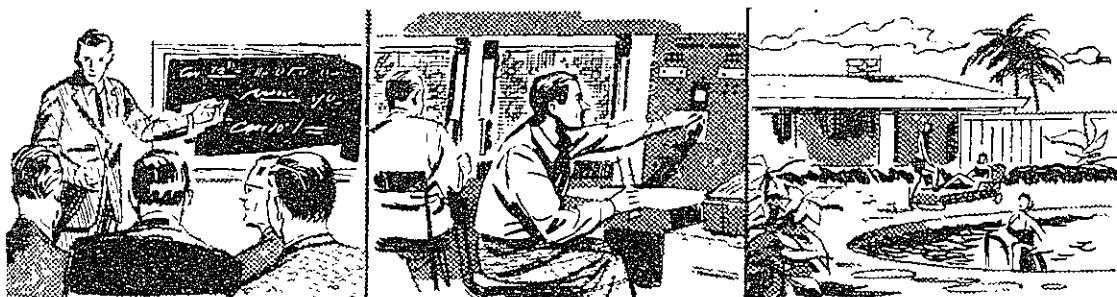
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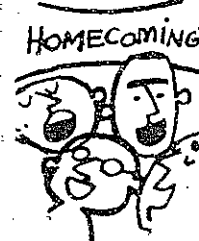
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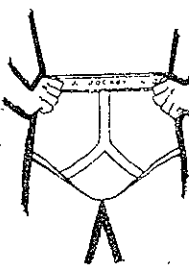
True. The number of degree holders in the U.S. is skyrocketing. It is estimated that by 1977 there will be twice that number or 14,000,000 alums. This does not include people with one to three years of college training.



An average college man has 3 suits, 4 pairs of shoes, 11 pairs of undershirts and shorts.

☐ TRUE ☐ FALSE

True. Campus research surveys also show that the average man on campus owns 3 sports and miscellaneous jackets, 2 overcoats and topcoats, 4 pairs of slacks and 14 shirts. This makes Joe College a well furnished man in any league.



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## Obstetrical Care At Minimum Charge For Student Wives

Because the number of married students at the MIT has increased sharply in recent years, MIT has entered into an agreement with the Boston Lying-In Hospital which will provide complete obstetrical care for MIT students' wives.

The plan, which is believed to be a pioneering program of its kind, was announced last night at a meeting of the MIT Dames, an organization of student wives. Although the costs of the plan are borne by the student, the program guarantees excellent care at a fixed and minimum charge.

The MIT-B.L.I. agreement provides for complete pre-natal care in the MIT Medical Department, including all necessary laboratory work and the services of consultants, all medical care required at the B.L.I. and hospital charges for seven days, and post-partem follow-up at MIT.

About 1000 of MIT's 6000 students are married. These married students currently have about 1000 children and it is estimated an additional 200 children will be born this year.

Dr. Ruby Jackson, a member of the visiting staff at B.L.I., has been appointed to the staff of the MIT Medical Department, to head the new service. She will participate in both the pre-natal and post-partem clinics at MIT and will supervise the operation of the program at B.L.I.

The student wives and mothers-to-be will be admitted to the ward service of the Lying-In and will be under the immediate care of the chief resident and his staff. It is planned, as far as possible, to have the MIT wives grouped together in a ward.

In commenting on the plan Dr. James M. Faulkner, Head of the MIT Medical Department, noted that the majority of students are living on a minimum income and that most at MIT come from other parts of the country or from abroad. "This new plan," he said, "is a means of providing the highest quality obstetrical care at minimum cost."

Dr. Ruby Jackson, who is the first obstetrician to be appointed to the MIT medical staff, took her undergraduate work at Mount Holyoke College and her medical degree at McGill University. Besides being associate obstetrician at B.L.I., she is also associated with the Boston City Hospital and the Free Hospital for Women.

## Hardy Gets Award For Work In Optics

Professor Arthur C. Hardy '18 is the recipient of the Frederic Ives Medal for 1957, an award made annually by the Optical Society of America "for distinguished work in optics". The bestowal ceremony took place at the annual banquet of the Society, in Columbus, Ohio, on October 18.

### On Faculty Since '22

Professor Hardy has been a member of the faculty of MIT since 1922, and the banquet was attended by many of his former students who joined enthusiastically in giving recognition to the unusual variety that characterizes Professor Hardy's numerous and noteworthy contributions as a scientist and educator. Included in the list of earlier Medalists are the names of E. L. Nichols, Theodore Lyman, R. W. Wood, A. H. Pfund, Selig Hecht, W. W. Coblentz, H. M. Randall, and John Strong.



PROFESSOR ARTHUR C. HARDY '18

## WBTS Announces Schedule Changes

A WTBS program change involving a switch of time allocations for popular and classical music will be in effect this Sunday.

According to Frank Manak '58, program manager of WTBS, classical music will be played from nine to ten o'clock on week days with a sports at ten o'clock.

"We hope this will be our last schedule change of this year," stated Roy Thorpe '58, General Manager of WTBS. "By this move we are striving for quality instead of quantity in our broadcasting."

This will replace the popular music hour now scheduled for this time.

Special events programs are planned for the immediate future. These campus shows which will be concerned with current student problems will include interviews and student forums.

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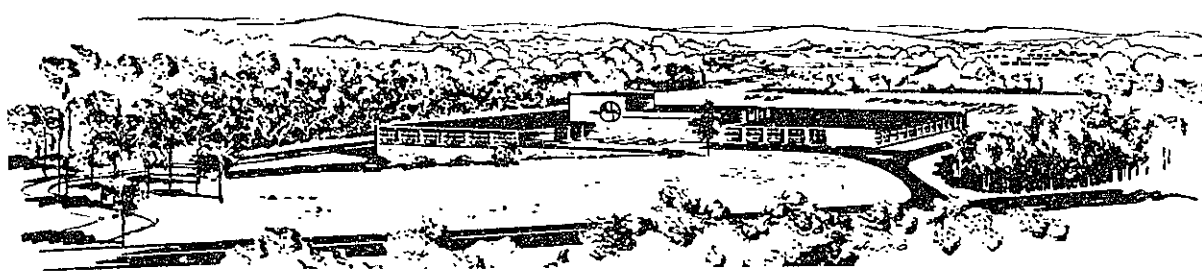
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## Five Intramural Football Leagues To Crown Champs This Weekend

This week-end will see champions crowned in five of the eight intramural football leagues. Already holding the titles are Sigma Alpha Epsilon, defending champions, who boast a 3-0 record in League I play, Delta Tau Delta, also 3-0 in League III competition, and Phi Gamma Delta undefeated in League IV action. Saturday and Sunday's activity shapes up as follows:

### League II

Deadlocked with 2-0 records, Beta Theta Pi and Delta Upsilon, two strong outfits, will clash in Sunday's main attraction. Both teams are yet to be scored upon, and this game figures to be a tight defensive battle. Due to last week's postponement, the Betas and D. U.'s have had plenty of time to rest all hands, and both should be at full strength for Sunday's encounter. Although the scoring should be held to a minimum, the Betas' passing attack, led by quarterback Gordie Gilbert '61 and Rod Cross '59 to Warren Goodnow '59, should prove the difference and give Beta Theta Pi the league championship.

In other league action, twice vanquished Phi Kappa Sigma and Sigma Alpha Mu meet for the right to avoid the league cellar. Although neither team has yet to score, this game should be wide open, as the squads have proven that they can move even

though both have lacked that final spark necessary to hit paydirt. On the basis of their respective encounters with Beta Theta Pi, the "Sams" rate a definite edge over Phi Kappa Sigma.

### League III

In a game that doesn't figure in the League's outcome, Delta Tau Delta having already grabbed off the laurels, Alpha Tau Omega meets Sigma Phi Epsilon with the Sig Eps rated a one-point favorite to down A.T.O. Standouts on offense for the Sig Eps aggregation should be Paul Repetto '58 and Mac Jordan '58.

### League V

Phi Mu Delta currently leading League V with a 2-0 record, can clinch the League title by beating Theta Delta Chi on Saturday. However, should the latter come through with an upset, League V will be thrown into a three-way tie, provided that Phi Beta Epsilon defeats Delta Kappa Epsilon in the other scheduled encounter. Despite the high spirit existing within all these units, look for Phi Mu Delta to wrap it all up.

### League VI

With Baker House, Lambda Chi Alpha and Phi Kappa all tied for the League VI lead, a two-day play-off has been necessitated. By virtue of a draw, Lambda Chi Alpha and

(Continued on page 8)

## MIT Varsity Booters Overcome Crimson Beavers On Top 2-0, For Fourth Straight

by Dick Solomon '59

A fiercely fighting Harvard soccer squad was not quite fierce enough to suppress the scoring power and skill of rookie coach Charlie Batterman's enthusiastic MIT soccer team last Tuesday, on Harvard home ground. Amid the cheers of 120 Lincoln, Mass. school children, and 12 MIT rooters, the Beavers fought to their fourth straight win of the season, 2-0. The score was due primarily to the great teamwork of the Tech backfield, and the ability of the sophomore line to take advantage of the breaks offered it.



An MIT halfback blasts the ball downfield, while the Beavers were on their way to a 2-0 triumph over the Crimson on the losers' home field.

past the Cantab goalkeeper during a mixup in front of the Harvard nets. Immediately Tech woke up, and ran the Harvard boys for the ball the rest of the period.

Play was evenly distributed at both ends of the field during the third period, as the Cardinal and Gray became accustomed to the larger Harvard field. The home squad's left wing missed a beautiful head at our goal only through the quick work of Segovia, who continued to play to the opposition. Then in a second melee by the Harvard goal Macaya was able to sneak the ball into the nets for the second MIT tally. With an insurance marker in the books, Tech's spirits soared, and the team showed its potential hustling ability.

The Beavers' fourth quarter play reflected their two goal lead as they continued to play a primarily defensive game. In spite of nice setups by the Harvard backfield the visitors' half and fullback lines were able to keep the ball away from the remnant of a Harvard offense. The contest ended rather undramatically with the Crimson squad failing to threaten a score in the latter part of the final period.

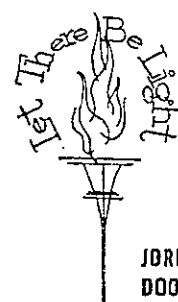
The spectacular action of our match with the Cantabs was certainly in the Tech backfield, where Segovia was continually making fine saves, and several times pulled those impossible acrobatics which make him one of New England's most valuable goal keepers. In the fourth period Changkasiri saved a Harvard score when he headed the ball out of our goal mouth into the arms of Segovia, who had been pulled out of the play. The steady work of halfbacks John Commerford '59 Andrus Villu '60, and Hube Warner '58 took much of an already heavy load of the fullbacks. And Petey Villavicencio '60, played more halfback than center forward during most of the play as he did a fine job of feeding the wings and insides. Particular mention should be made of inside Manny Penna who impressed everyone with his beautiful ball control and quick thinking.

The win over Harvard marks the first victory in a series of games with the best soccer squads in the East; the coming contests with Springfield on the 22nd, and with the perennially rough Brown and Dartmouth teams will test the true mettle of Tech's unbeaten team. They seek the support of the entire MIT community in what

(Continued on page 8)

As usual the Engineers were slow in getting into their best form, as they plowed their way through a scoreless first quarter in which Harvard dominated the play. With wind and sun against them, it was all the MIT backfield could do to get the ball into the Crimson's half of the field. But the hard work and aggressive play of fullbacks Rod Brandt '58 and Eddie Changkasiri '58, and the spectacular saves of goalie Rudy Segovia '58 kept the constantly shooting, but disorganized Harvard line scoreless. With foreboding Coach Batterman watched the line miff two good chances for goals when senior Reinaldo daVal's corner kick went foul and a center by Ernesto Macaya '60, just missed the nets.

The opening minutes of the second quarter saw repetition of the action of the first period, with Harvard beating Tech to the ball and setting up the play. But the skillful play and agile feet of sophomore Manny Penna provided the break that turned the tide for MIT, when he booted the ball



Sunday Evening OCTOBER 27 at 8 o'clock

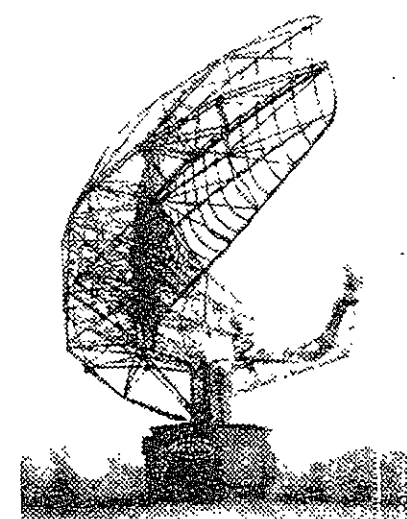
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# MIT Frosh Booters Come From Behind To Deadlock Exeter

Playing inspired ball throughout the encounter, an aggressive Beaver freshman soccer team came from behind three times to deadlock a powerful aggregation from Exeter 3-3, in double overtime at Briggs Field this Wednesday.

The visitors drew first blood several minutes after the opening whistle when Tech goalie Jean-Pierre Frankenhuis was screened by several players and had no chance at the ball. Late in the opening quarter, the Cardinal and Gray evened the score, as center forward Arturo Marques dribbled up from midfield and blasted the sphere into the nets from ten yards out directly in front of the goal.

Three second period results took the same pattern as the preceding one. Exeter took the lead for the second time on a perfect pass from the right wing to the center forward, who kicked it past the outstretched arms of the MIT goalie into the twines.

## Freak Goal

A few minutes before the close of the opening half, a freak bit of luck gave the Beaver yearlings their second tally. Right wing John Vlcek passed the ball from along the sidelines to directly in front of the Exeter goal, where one of their full-backs headed it through the posts. Thus the teams went into the intermission even up at 2-2.

Midway through the third stanza, the visitors went in front for the third and final time. As on their first tally, they caught Beaver netminder Frankenhuis helpless when the ball sailed out of a melee of booters in front of the home squad's goal, and into the cords.

But the Engineers were not to be denied, and a few moments afterward their hopes materialized when left wing Dick Nivala toed the leather sphere into the nets from thirty yards out.

The fourth quarter and both five-minute overtimes witnessed strong defensive play by both contenders.

Disaster struck the Techmen when goalie Frankenhuis was injured midway through the final quarter, but Reno Nestasi took over his netminding chores and made many good saves in the overtimes, especially when the Exeter forward line made one desperation attack after another in the closing minutes.

Outstanding work up front was accomplished for the Engineers by Guillermo Van Oordt, whose sharp passing and fancy footwork from his right inside position kept the visitors' defense on the alert throughout the encounter.

In the MIT backfield, right half-back Don Twyman proved to be the defensive bulwark with his long kicks keeping the opposition in their own territory.

The Techmen were without the services of assistant coach, Pete Horst '57, who was sidelined with the flu.

The Beaver frosh meet Windham College tomorrow afternoon at Briggs Field at 2:00 p.m.

## Varsity Soccer

(Continued from page 7)

could prove to be an undefeated season. The next home game will be with the Coast Guard Academy on Fall Sports Day.

## ALL SPORTS DAY PROGRAM

**Saturday, November 2**  
10 a.m.—Crew, MIT vs. Dartmouth on the Charles River with the finish in front of the MIT Boat House.  
1:15 p.m.—Touch Football, SAE vs. Intramural All Stars on Briggs Oval.  
Schell Sailing Regatta on the Charles.  
2:30 p.m.—Varsity Soccer, MIT vs. U. S. Coast Guard on Briggs Field.  
3 p.m.—Rugby, MIT vs. Dartmouth on Briggs Field.

## ATTENTION FROSH CAGERS

First Basketball Practice and Rally to be held in Walker Memorial Gym, Friday, November 1, at 5:15 p.m.

# MITAA To Award Sweaters To Each Varsity Letterman

This year, for the first time, the Athletic Association will award a sweater to each man winning a varsity letter. In the past only a varsity letter was awarded to the outstanding athletes on each team. The varsity sweater will give increased recognition to these men throughout the MIT community. In succeeding years the sweater will be presented when a player wins his first letter.

It is estimated that over 225 athletes will win sweaters by next June. A man will be eligible for several letters, but only one sweater. The number of letters a man has won in a sport is designated by the number of white diagonal lines on the letter.

The varsity letter sweater will be given to those athletes who regularly attend practices and games in their sport and, depending on their sport, either participate in a certain number of games or accumulate a certain pre-determined number of points. In unusual cases a coach may also recommend for a varsity letter sweater a player who was unable to meet the regular requirements.

## BUSHLEAGUER

(Continued from page 7)

Phi Kappa will meet in Saturday's encounter with the winner gaining the right to meet Baker House for the championship on Sunday. In their first encounter, Lambda Chi rolled over Phi Kappa 25-8 and the final gun should see the same result, although the score should be closer.

Baker House, again at full strength with the return of veterans Jerry Glass '59, Ron Rosenberg '59, and Marv Alper '59 rates a strong favorite to capture top honors. During light drills held during the week, following last Sunday's forfeit victory over Kappa Sigma, the Baker unit looked poised and ready. The Dorm's line, led by hard charging all star candidate Dick Sherman '58, guards Frank Tapparo '60 and Steve Halperin '60 and the kicking of Mike Wolfson '60, should give the opposition much trouble throughout the afternoon.

## League VII

League VII finds the 5:15 Club leading with a 2-0 record entering the final round of competition. The 5:15 boys should encounter little trouble from Chi Pi currently boasting a 1-0-1 record. In the other league game, Theta Xi rates an edge over Grad House Dining Staff, although the only thing either club can boast to date is a large amount of spirit and enthusiasm.

## League VIII

Tau Epsilon Phi, 2-1 meets Phi Sigma Kappa 2-1 in Saturday's finale. T.E.P. should prove the stronger and clinch the title, but don't expect Sigma Kappa to go down without a fight. This game could conceivably be the closest contest.

## Beaver Predicts

### League II

Bet Theta Pi 20 Delta Upsilon 12  
Sigma Alpha Mu 18

Phi Kappa Sigma 6

### League III

Alpha Tau Omega 6  
Sigma Phi Epsilon 7

### League V

Phi Mu Delta 20 Theta Delta Chi 6  
Phi Beta Epsilon 13

Delta Kappa Epsilon 7

### League VI

Lambda Chi Alpha 18 Phi Kappa 6  
Baker House 12

Winner of above Game 0

### League VII

5:15 Club 28 Chi Pi 0  
Theta Xi 30

Grad House Dining Staff 0

### League VIII

Tau Epsilon Phi 12 Sigma Kappa 7

## LECTURE

The Departments of Geology and Geophysics and of Meteorology announce a lecture entitled "Dust Ionization and Movement in the Very Low Ionosphere," by Dr. Clifton D. Ellyett, Senior Lecturer in Physics, University of New Zealand, Member, New Zealand Radio National Research Committee, Consultant, National Bureau of Standards. Monday, October 28, 1957, 4:00 p.m., Room 4-231.

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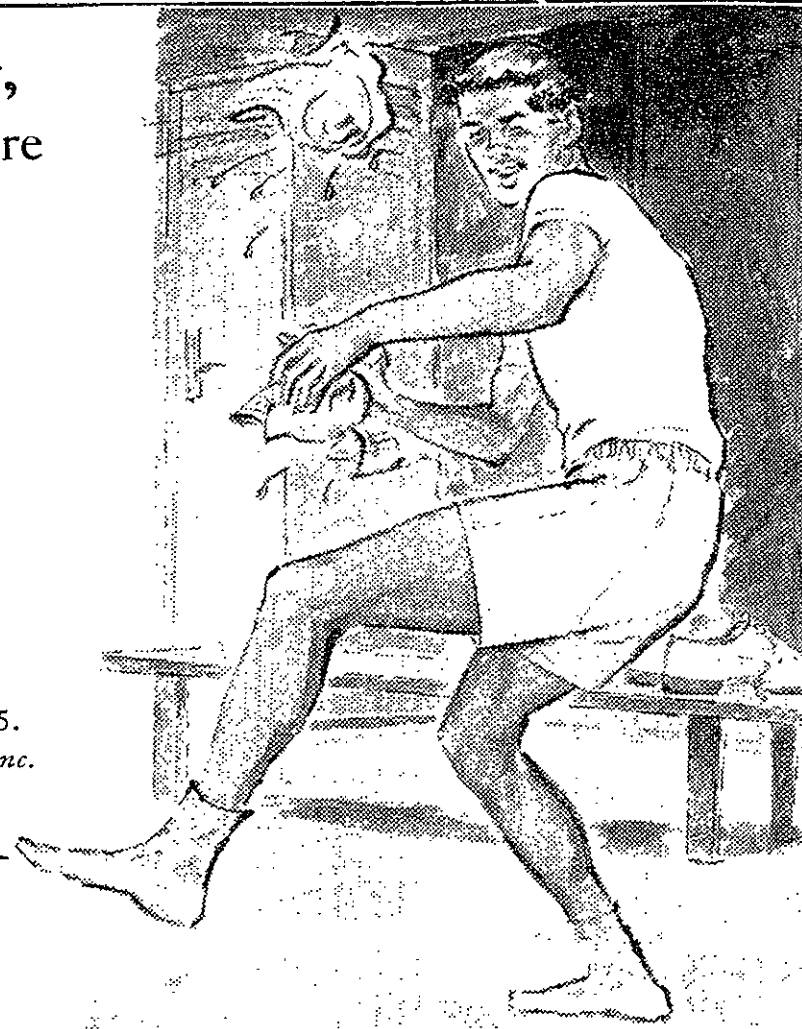
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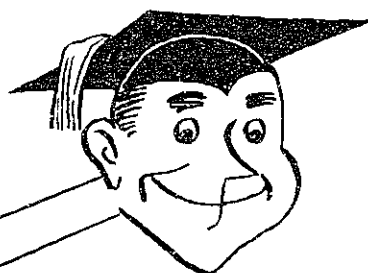
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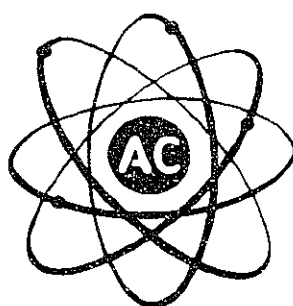
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